

IN THE CLAIMS

Claims 1-20 (cancelled)

Claim 21 (new): A method for assembling an engine intake manifold comprising the steps of:

providing a first component of an engine intake manifold having an associated first mating surface and a second component having an associated second mating surface, wherein at least one of the first or second components is a plastic material;

placing a cure-on-demand adhesive about the periphery of the first, second or both mating surfaces;

joining the first and second components along the first and second mating surfaces; and

curing the adhesive during a separate and remote curing operation in time, location or both after the placement of the adhesive and the joining of the first and second components.

Claim 22 (new): The method of claim 21, wherein the adhesive is encapsulated and the curing step includes rupturing an encapsulated curing agent.

Claim 23 (new): The method of claim 21, wherein the adhesive includes a protective coating and the curing step includes removing a protective coating to expose the adhesive to ambient conditions.

Claim 24 (new): The method of claim 21, wherein the first, second or both mating surfaces are non-planar.

Claim 25 (new): The method of claim 24, wherein upon joining of the first and second component a joint is formed comprising a butt joint, lap joint or tongue in groove joint.

Claim 26 (new): The method of claim 25, wherein at least one of the first or second components includes a plastic.

Claim 27 (new): The method of claim 21, wherein the plastic material forming at least one of the first or second components include a filled polyamide.

Claim 28 (new): The method of claim 21, further comprising the step of mechanically attaching the first and second components with a mechanical attachment feature.

Claim 29 (new): The method of claim 28, wherein the mechanical attachment feature comprises a snap fitting.

Claim 30 (new): The method of claim 21, wherein the adhesive includes a high temperature epoxy resin adhesive.

Claim 31 (new): The method of claim 21, wherein the adhesive includes a high temperature mineral filled catalyzed adhesive.

Claim 32 (new): A method for assembling an engine intake manifold comprising the steps of:

- providing a first thermoplastic component of an engine intake manifold having an associated first mating surface and a second thermoplastic component having an associated second mating surface, wherein the first and second mating surfaces are non-planar;

- placing a continuous bead or film of high temperature epoxy resin cure-on-demand adhesive about the periphery of the first, second or both mating surfaces;

- joining the first and second components along the first and second mating surfaces, wherein upon joining the first and second mating surfaces are spatially located at a predetermined distance relative to one another; and

curing the adhesive during a separate and remote operation in time, location or both after the placement of the adhesive, wherein upon curing of the adhesive a joint is formed having a strength greater than the strength of the second thermoplastic component.

Claim 33 (new): A method for assembling an engine intake manifold comprising the steps of:

providing a first thermoplastic component having an associated first non-planar mating surface and a second thermoplastic component having an associated second non-planar mating surface, wherein the first, second or both components include an integrally formed mechanical attachment feature configured for engaging the other first or second component;

placing a continuous bead or film of high temperature epoxy resin adhesive about the periphery of the first, second or both mating surfaces; and

joining the first and second components wherein the mechanical attachment feature maintains spatial relationship of the first and second components during curing of the adhesive and the resulting joint has a strength greater than the strength of said second molded plastic component.

Claim 34 (new): The method of claim 33, wherein the first, second or both components are filled or other includes a reinforcing material.

Claim 35 (new): The method of claim 33, wherein the plastic material forming at least one of the first or second components includes a filled polyamide.

Claim 36 (new): The method of claim 35, wherein the adhesive includes a high temperature epoxy resin adhesive.

Claim 37 (new): The method of claim 35, wherein the adhesive includes a high temperature mineral filled catalyzed adhesive.

Claim 38 (new): The method of claim 33, wherein the mechanical attachment comprises a snap fit configured for providing an audible indicator upon joining of the first and second component.

Claim 39 (new): The method of claim 33, wherein upon joining of the first and second component a joint is formed comprising a butt joint, lap joint or tongue in groove joint.

Claim 40 (new): The method of claim 33, further comprising the step curing the adhesive during a separate and remote curing operation in time, location or both after the placement of the adhesive and the joining of the first and second thermoplastic components.